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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants : Rene Hen et al.  
Serial No. : 10/764,068  
Filed : January 22, 2004  
For : BRAIN PROGENITOR CELL-BASED ASSAY, AND  
RELATED METHODS AND COMPOSITIONS

1185 Avenue of the Americas  
New York, New York 10036  
December 8, 2004

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

SIR:

INFORMATION DISCLOSURE STATEMENT

In compliance with their duty of disclosure under 37 C.F.R. §1.56, applicants direct the Examiner's attention to the following references, which are listed on the accompanying form PTO-1449 (**Exhibit A**). Copies of cited publications 1-87 are attached hereto as **Exhibits 1-87** respectively.

1. Aberg, M. A., Aberg, N. D., Hedbacker, H., Oscarsson, J., and Eriksson, P. S. (2000). Peripheral infusion of IGF-I selectively induces neurogenesis in the adult rat hippocampus. *J Neurosci* 20, 2896-903; (**Exhibit 1**)
2. Altman, J. (1962). Are new neurons formed in the brains

- of adult mammals? Science 135, 1127-1128; (Exhibit 2)
3. Altman, J., and Das, G. D. (1965). Autoradiographic and histological evidence of postnatal hippocampal neurogenesis in rats. J Comp Neurol 124, 319-335; (Exhibit 3)
  4. Altman, J., and Das, G. D. (1966). Autoradiographic and histological studies of postnatal neurogenesis. I. A longitudinal investigation of the kinetics, migration and transformation of cells incorporating tritiated thymidine in neonate rats, with special reference to postnatal neurogenesis in some brain regions. J Comp Neurol 126; (Exhibit 4)
  5. Bannerman, D. M., Deacon, R. M., Offen, S., Friswell, J., Grubb, M., and Rawlins, J. N. (2002). Double dissociation of function within the hippocampus: spatial memory and hyponeophagia. Behav Neurosci 116, 884-901; (Exhibit 5)
  6. Benraiss, A., Chmielnicki, E., Lerner, K., Roh, D., and Goldman, S. A. (2001). Adenoviral brain-derived neurotrophic factor induces both neostriatal and olfactory neuronal recruitment from endogenous progenitor cells in the adult forebrain. J Neurosci 21, 6718-31; (Exhibit 6)
  7. Blanchard, R. J., and Blanchard, D. C. (1969). Crouching as an index of fear. J Comp Physiol Psychol 67, 370-5;

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9. Blier, P., and de Montigny, C. (1994). Current advances and trends in the treatment of depression. *Trends Pharmacol Sci* 15, 220-6; (Exhibit 9)
10. Bodnoff, S. R., Suranyi-Cadotte, B., Aitken, D. H., Quirion, R., and Meaney, M. J. (1988). The effects of chronic antidepressant treatment in an animal model of anxiety. *Psychopharmacology* 95, 298-302; (Exhibit 10)
11. Bodnoff, S. R., Suranyi-Cadotte, B., Quirion, R., and Meaney, M. J. (1989). A comparison of the effects of diazepam versus several typical and atypical antidepressant drugs in an animal model of anxiety. *Psychopharmacology* 97, 277-9; (Exhibit 11)
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  15. Cryan, J. F., Markou, A., and Lucki, I. (2002). Assessing antidepressant activity in rodents: recent developments and future needs. Trends Pharmacol Sci 23, 238-45; (Exhibit 15)
  16. Czeh, B., Michaelis, T., Watanabe, T., Frahm, J., de Biurrun, G., van Kampen, M., Bartolomucci, A., and Fuchs, E. (2001). Stress-induced changes in cerebral metabolites, hippocampal volume, and cell proliferation are prevented by antidepressant treatment with tianeptine. Proc Natl Acad Sci U S A 98, 12796-801; (Exhibit 16)
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21. Doetsch, F., Caille, I., Lim, D. A., Garcia-Verdugo, J. M., and Alvarez-Buylla, A. (1999). Subventricular zone astrocytes are neural stem cells in the adult mammalian brain. Cell 97, 703-16; (Exhibit 21)
22. Duffy, S. N., Craddock, K. J., Abel, T., and Nguyen, P. V. (2001). Environmental enrichment modifies the PKA-dependence of hippocampal LTP and improves hippocampus-dependent memory. Learn Mem 8, 26-34; (Exhibit 22)
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85. Willner, P., Muscat, R., and Papp, M. (1992). Chronic mild stress-induced anhedonia: a realistic animal model of depression. Neurosci Biobehav Rev 16, 525-34; **(Exhibit 85)**
86. Wong, M. L., and Licinio, J. (2001). Research and treatment approaches to depression. Nat Rev Neurosci 2, 343-51; **(Exhibit 86)**
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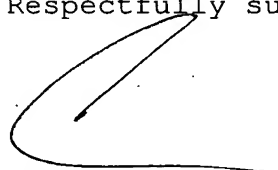
Rene Hen et al.  
Application No.: 10/764,068  
Filed: January 22, 2004  
Page 17

Proc Natl Acad Sci U S A 98, 5874-9. (Exhibit 87)

If a telephone interview would be of assistance in advancing prosecution of the subject application, applicants' undersigned attorney invites the Examiner to telephone him at the number provided below.

Applicants are filing this Information Disclosure Statement under 37 C.F.R. §1.97(b)(3) before the mailing of a first Office Action on the merits. Accordingly, no fee is deemed necessary in connection with the filing of this Information Disclosure Statement. However, if a fee is required, authorization is hereby given to charge the amount of any such fee to Deposit Account No. 03-3125.

Respectfully submitted,



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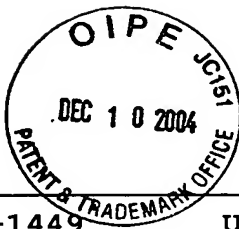
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INFORMATION DISCLOSURE STATEMENT  
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Applicant

Rene Hen et al.

Filing Date

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Group

## U.S. PATENT DOCUMENTS

X Examiner Initial		Document Number								Date	Name	Class	Subclass	Filing Date if Appropriate

## FOREIGN PATENT DOCUMENTS

		Document Number								Date	Country	Class	Subclass	Translation	
														Yes	No

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

	1	Aberg, M. A., Aberg, N. D., Hedbacker, H., Oscarsson, J., and Eriksson, P. S. (2000). Peripheral infusion of IGF-I selectively induces neurogenesis in the adult rat hippocampus. J Neurosci 20, 2896-903; (Exhibit 1)
	2	Altman, J. (1962). Are new neurons formed in the brains of adult mammals? Science 135, 1127-1128; (Exhibit 2)
	3	Altman, J., and Das, G. D. (1965). Autoradiographic and histological evidence of postnatal hippocampal neurogenesis in rats. J Comp Neurol 124, 319-335; (Exhibit 3)

EXAMINER

DATE CONSIDERED

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form PTO-1449		U.S. Department of Commerce Patent and Trademark Office		Atty. Docket No. 67780/JPW/AJM/NS	Serial No. 10/764,068
INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)				Applicant Rene Hen et al.	
				Filing Date January 22, 2004	Group
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)					
	4	Altman, J., and Das, G. D. (1966). Autoradiographic and histological studies of postnatal neurogenesis. I. A longitudinal investigation of the kinetics, migration and transformation of cells incorporating tritiated thymidine in neonate rats, with special reference to postnatal neurogenesis in some brain regions. J Comp Neurol 126; (Exhibit 4)			
	5	Bannerman, D. M., Deacon, R. M., Offen, S., Friswell, J., Grubb, M., and Rawlins, J. N. (2002). Double dissociation of function within the hippocampus: spatial memory and hyponeophagia. Behav Neurosci 116, 884-901; (Exhibit 5)			
	6	Benraiss, A., Chmielnicki, E., Lerner, K., Roh, D., and Goldman, S. A. (2001). Adenoviral brain-derived neurotrophic factor induces both neostriatal and olfactory neuronal recruitment from endogenous progenitor cells in the adult forebrain. J Neurosci 21, 6718-31; (Exhibit 6)			
	7	Blanchard, R. J., and Blanchard, D. C. (1969). Crouching as an index of fear. J Comp Physiol Psychol 67, 370-5; (Exhibit 7)			
	8	Blanchard, R. J., and Blanchard, D. C. (1969). Passive and active reactions to fear-eliciting stimuli. J Comp Physiol Psychol 68, 129-35; (Exhibit 8)			
	9	Blier, P., and de Montigny, C. (1994). Current advances and trends in the treatment of depression. Trends Pharmacol Sci 15, 220-6; (Exhibit 9)			
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